

3.600 SEP 1985  
West Lake-SLF

JOHN ASHCROFT  
Governor

FREDERICK A. BRUNNER  
Director



Missouri State Landfill  
ID: #MA0079900932  
Book: 11.7  
Other: 001  
10-24-85

Division of Energy  
Division of Environmental Quality  
Division of Geology and Land Survey  
Division of Management Services  
Division of Parks and  
Historic Preservation

STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office  
8460 Watson Road, Suite 217  
St. Louis, MO 63119  
314-849-1313

October 24, 1985

**RECEIVED**

OCT 28 1985

**WASTE  
MANAGEMENT PROGRAM**

Mr. William J. McCullough, President  
West Lake Landfill, Inc.  
13570 St. Charles Rock Road  
Bridgeton, Missouri 63044

Dear Mr. McCullough:

An inspection of the condition and operation of the West Lake, Inc., Sanitary Landfill was conducted on October 17, 1985. The recommendations contained in this report are based on the findings made at the time of inspection. Please direct your attention to these findings, and carry out the listed recommendations.

FINDINGS

1. Exposed refuse was present over the western slope.
2. The leachate collection/treatment system was back in operation.

DISCUSSION

At the time of the inspection solid waste was being incorporated into the northwest section of the landfill. The working face was in good condition with proper spreading and compacting being achieved. The operation is confined to a small remaining section of the permitted area. The incoming waste volume has been reduced to below 1000 yards per day, extending the landfill life another 30 days.

Exposed refuse, observed during the previous inspection, over the upper western slope has been covered. However, uncovered waste remains on the south section of the slope. Some wind scattered litter was also noted near the working face.

The leachate collection/treatment system was operating during the inspection. The number 1 polishing cell at the mechanical treatment plant is completely repaired and being utilized. The volume of leachate entering the quarry pit has decreased. No leachate was observed in the quarry pit collection pond. Also only a small amount of surface water was present in the pit.

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SUPERFUND RECORDS

DNR 0070

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The gas collection/destruction system was operational. Currently methane gas is being drawn from 7 wells including the leachate collection well.

RECOMMENDATION

Apply additional cover to the exposed area of the western slope.

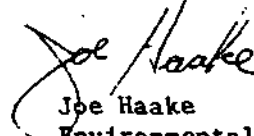
Should you have any questions concerning this inspection report, please contact the St. Louis Regional Office.

APPROVED:



F. Donald Maddox  
Regional Administrator  
St. Louis Regional Office

PREPARED BY:



Joe Haake  
Environmental Specialist II  
St. Louis Regional Office

FDM/JH/mc  
Encl.

CC: City of Bridgeton  
Central Office - WMP  
St. Louis County Health Department

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL QUALITY

Annual Inspection ☐  
Inspection ☒

SANITARY LANDFILL SURVEILLANCE RECORD

Date: 10-17-85 Days/Week Open: 6  
Name of Sanitary Landfill: WEST LAKE SANITARY LANDFILL  
Permit No: 118909 County: ST. LOUIS  
Owner: WEST LAKE LANDFILL, INC. Operator: VERNON FEHR  
Address: RT. 1 Box 206 Address: 13570 ST. CHARLES ROCK RD.  
BRIDGETON 63042 BRIDGETON 63042

I. Special Conditions and Approved Modifications

- A. Are there any special conditions or approved modifications of the satisfactory compliance subsections of the rules and regulations? (e.g. impermeable barrier, limited excavation, exceptions to daily cover requirements)  
X Yes        No
- B. Is the sanitary landfill operation in compliance with the special conditions or approved modifications? (If "No," describe violations under "REMARKS.")  
Y Yes        No

II. Check Types of Waste Accepted

	INDICATED ON PERMIT APPLICATION	REPORTED BY OPERATOR	AS OBSERVED
Municipal solid waste .....	<u>X</u>	<u>X</u>	<u>X</u>
Bulky waste .....	<u>X</u>	<u>X</u>	<u>X</u>
Dead animals .....			
Incinerator residue .....			
Demolition and construction waste .....			
Brush and untreated wood waste .....			
Septic tank pumpings .....			
Wastewater treatment plant sludges .....			
OTHER SLUDGES (SPECIFY)			
LIQUIDS (SPECIFY)			
INDUSTRIAL PROCESS WASTES (SPECIFY)			
HAZARDOUS WASTES (SPECIFY)			
<u>VARIOUS SPECIAL WASTES</u>	<u>APPROVED</u>	<u>X</u>	<u>X</u>
OTHER WASTES (SPECIFY)			

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MANAGEMENT PROGRAM

III. Remaining Life of Landfill

- A. Estimated amount of solid waste coming through gate.  
Compacted loads 6000 yds/wk \_\_\_\_\_ tons/wk  
Noncompacted loads \_\_\_\_\_ yds/wk \_\_\_\_\_ tons/wk
- B. Estimated volume of remaining landfill covered by approved engineering plans.  
\_\_\_\_\_ acre feet 1 MONTH years

INSPECTION FORM DISTRIBUTION LIST	
Owner	<u>X</u>
Operator	<u>VERNON FEHR</u>
City	<u>BRIDGETON</u>
County Court	<u>      </u>
Consulting Engineer	<u>      </u>
Solid Waste Program	<u>CO. WMP</u>
Regional Office File	<u>X</u>
Others	<u>ST. LOUIS CO. HEALTH DEPT</u>

IV. Satisfactory Compliance Subsections Regulations 80-3.010

Check all subsections: SAT — Satisfactory; UNS — Unsatisfactory. (If necessary describe "JNS" violations under "Remarks.")

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
<b>(1) SOLID WASTE ACCEPTED</b>			
(2)(C)2	Bulky solid waste crushed on solid ground and pushed onto working face near bottom of the cell.	X	
(2)(C)3	Small dead animals covered immediately with soil or solid waste. Large dead animals placed in pit and covered with four feet compacted soil.	N/A	
(2)(C)4	Disposal of dewatered sludges on working face along with municipal solid waste.	N/A	
(2)(C)5	Incinerator and air pollution control residues prevented from becoming airborne.	X	
<b>(3) SOLID WASTE EXCLUDED</b>			
(3)(C)1	No unpermitted waste accepted.	X	
(3)(C)2	Sign posted at entrance listing excluded wastes.	X	
<b>(4) SITE SELECTION</b>			
(4)(C)1	Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	X	
<b>(6) WATER QUALITY</b>			
(6)(C)1	Surface water courses and runoff properly diverted from the landfill. Sanitary landfill construction and grading to promote rapid surface water runoff without excessive erosion.	X	
(6)(C)2	Leachate collection and treatment systems utilized where necessary to protect ground and surface water resources.	X	
(6)(C)3	No ground or surface water in contact with solid waste.	X	
<b>(7) AIR QUALITY</b>			
(7)(C)	No open burning without written permission of the proper air pollution agency and the Division.	N/A	
<b>(8) GAS CONTROL</b>			
(8)(C)	Implementing decomposition gas control plan as necessary to prevent problems.	X	
<b>(9) VECTORS</b>			
(9)(C)	Vector control programs implemented when necessary to prevent or rectify vector problems.	N/A	
<b>(10) AESTHETICS</b>			
(10)(C)1	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the daily cell at the end of each day or containerized.	X	
(10)(C)2	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.	X	
(10)(C)3	On-site vegetation and natural windbreaks being utilized to improve appearance and operation of the sanitary landfill.	X	

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
<b>(10) AESTHETICS (Continued)</b>			
(10)(C)4	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.	N/A	
<b>(11) COVER MATERIAL</b>			
(11)(C)1	Daily cover applied regardless of weather in not less than a six inch layer. Cover material available in all weather conditions.	X	
(11)(C)2	Intermediate cover applied to all areas idle for more than 60 days in a layer not less than one foot after compaction.	X	
(11)(C)3	Final cover applied on each area as completed in a layer not less than two feet after compaction.		X
<b>(12) COMPACTION</b>			
(12)(C)1	Adequate equipment on-site, operated daily.	X	
(12)(C)1A	Solid waste spread in layers not to exceed two feet and confined to smallest practical area.	X	
(12)(C)1B	Wastes compacted to smallest practical volume.	X	
(12)(C)1C	Cover material compacted as much as practical.	X	
(12)(C)2	Preventive maintenance performed.	X	
(12)(C)3	Daily task operating manual provided.	X	
<b>(13) SAFETY</b>			
(13)(C)1	Fire extinguishers provided on oil equipment.	X	
(13)(C)2	Provisions for extinguishing fires in waste, equipment, and structures.	X	
(13)(C)3	Communication equipment available.	X	
(13)(C)4	Scavenging prohibited.	X	
(13)(C)5	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.	X	
(13)(C)6	Traffic controlled and directed to designated disposing points.	X	
(13)(C)7	Site dust controlled for safety purposes and to prevent nuisances.	X	
<b>(14) RECORDS</b>			
(14)(C)1A	Records of major problems and complaints.	X	
(14)(C)1B	Monitoring record maintained. a. leachate sampling and analyses. b. gas sampling and analyses. c. ground and surface water analyses.	X	
(14)(C)1C	Records of vector control efforts.	N/A	
(14)(C)1D	Records of dust and litter control efforts.	X	
(14)(C)1E	Records of quantity of waste handled.	X	
(14)(C)1F	Records of description, sources, and volume of special wastes listed in Subsection (3)(A).	X	

V. Operation Proceeding in Accordance with Approved Engineering Plans? (If "NO," describe violations under "Remarks.")

X Yes        No

REMARKS EXPOSED WASTE REMAINS ON WESTERN SLOPE.

(Attach additional sheets as necessary.)

BY

Joe Rader

SIGNATURE OF INVESTIGATOR